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09/916,245	07/30/2001	Han-Young Hong	P56422	8634

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Robert E. Bushnell
Suite 300
1522 K Street, N.W.
Washington, DC 20005-1202

EXAMINER

VO, TUNG T

ART UNIT	PAPER NUMBER
2613	

DATE MAILED: 12/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/916,245

Applicant(s)

HONG, HAN-YOUNG

Examiner

Tung T. Vo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Allowable Subject Matter

1. The indicated allowability of claims 1-16 is withdrawn in view of the newly discovered reference(s) to Morikawa (US 6,686,848 B1) and Roberts et al. (US 5,440,648). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Morikawa (US 6,686,848 B1).

Re claim 1, Morikawa discloses a closed circuit television (CCTV) system (10 of fig. 1) comprising:

a number of cameras (16a-16m of fig. 1) for generating picture signals;

a multiplexer (18a-18c of fig. 1) allotting identification information (8 bits for each picture signal) to each of the picture signals received from the cameras, said identification information being represented by a predetermined number of bits (a shared category code (ID) "0001", 8-bits "00000000" for address "000" as camera "000") so that a number of available

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identifications is twice or more than the number of the cameras, said identification information comprising a plurality of proper identification bits and a corresponding plurality of auxiliary bits, characterized in that the proper identification bits identify which camera generated a corresponding picture signal (col. 3, line 61-col.4, line 8); and a picture signal storage medium (20a-20c of fig. 1) for storing the picture signals and allotted identification information output from the multiplexer.

Re claim 2, Morikawa further discloses wherein said multiplexer is a parallel to serial multiplexer (the multiplexer (18a of fig. 1) for multiplexing the video signals into a single signal for transmitting).

Re claim 3, Morikawa further discloses wherein the picture signal storage medium comprises a single videotape in a single video tape recorder (20a-20c of fig. 1).

Re claim 4, Morikawa further discloses wherein the picture signal storage medium comprises a single digital storage medium (storing code "0000000" in a digital VCR (20a of fig. 1)).

Re claim 5, Morikawa further discloses a monitor (12 of fig. 2, an LCD) for displaying picture signals reproduced by said picture signal storage medium; and a selection unit (12c, 12g, 12h, 12i, 12j of fig. 2) for enabling a user to select picture signals corresponding to a particular one of said cameras for display on said monitor by inputting the identification information corresponding to said particular one of said cameras.

Re claim 6, Morikawa further discloses a controller (12g of fig. 2) for storing said picture signals and said identification information in said picture signal storage medium, said controller being responsive to a selection signal generated by said selection unit for selecting

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the picture signals corresponding to said particular one of said cameras and stored in said picture signal storage medium and outputting the selected picture signals for display on said monitor (see entirely figure 2, fig. 3).

Re claim 7, Morikawa further discloses wherein the logical values of said auxiliary bits are opposite to the logical values of said proper identification bits (camera ID bits, "000"- "011", a-shared category code "0001").

Re claims 8 and 13, Morikawa further discloses wherein the number of cameras is four (16a, 16d, 16g and 16j of fig. 1) and the identification information comprises two said proper identification bits (address "000" for camera 16a comprises two bits in the identification information) and two said auxiliary bits (a shared category code "0001" comprises two auxiliary bits).

Re claims 9 and 14, Morikawa further discloses wherein said proper identification bits and said auxiliary bits are disposed in an alternating arrangement such that said auxiliary bits are the least significant and second most significant bits in said arrangement and said proper identification bits are the second least significant bits and the most significant bit in said arrangement (col. 4, line 55-col. 5, line 8).

Re claims 10 and 15, Morikawa further discloses wherein the number of cameras is eight and the identification information comprise three said proper identification bits and three said auxiliary bits (col. 3, line 62-col. 4, line 7).

Re claims 11 and 16, Morikawa further discloses wherein said proper identification bits and said auxiliary bits are disposed in an predetermined arrangement such that said auxiliary

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bits are the least significant bits in said arrangement and said proper identification bits are the most significant bit in said arrangement (col. 4, line 55- col. 5, line 8).

Re claim12, Morikawa further discloses wherein the logical values of said auxiliary bits are identical to the logical values of said proper identification bits ("000", "0001" logical value).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1- 7, 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boden (US 5,633,686) in view of Roberts et al. (US 5,440,648).

Re claims 1-4, Boden teaches a closed circuit television (CCTV) system (fig. 1) comprising: a number of cameras (Video 1 –Video 4 of fig. 1) for generating picture signals; a multiplexer (10 of fig. 1) allotting identification information to each of the picture signals received from the cameras, said identification information being represented by a predetermined number of bits (8 bits per video) so that a number of available identifications is twice or more than the number of the cameras (one video has 8 bits so four videos have 8x4 bits, a number of identifications is more than the number of camera); and a picture signal storage medium (col. 2, lines33-34) for storing the picture signals and allotted identification information output from the

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multiplexer that is a parallel to serial multiplexer (4:1 mux, 30 of fig. 1), and the picture signal storage medium (recorded video media comprises a video tape in a single video tape recorder).

It is noted that Boden does not particularly teach a plurality of proper identification bits and a corresponding plurality of auxiliary bits, characterized in that the proper identification bits identify which camera generated a corresponding picture signal as claimed.

However, Roberts teaches a plurality of proper identification bits and a corresponding plurality of auxiliary bits, characterized in that the proper identification bits identify which camera generated a corresponding picture signal (col. 3, lines 5-8, e.g. the addition of bits used to multiplex channels in each camera and to multiplex cameras are a logic values, this means the proper identification bits for each camera).

Taking the teachings of Boden and Roberts as a whole, it would have been obvious to one of ordinary skill in the art to incorporate the teachings of Roberts into the camera system of Boden for the same purpose of identifying the camera using the proper identification bits which camera generated a corresponding picture signal. Doing so would allow the system to easily recognize the camera by knowing the identification bits.

Re claims 5 and 6, Roberts further teaches a monitor (50 of fig. 1) for displaying picture signal reproduced by said picture signal medium and a selection unit (46 of fig. 1) for enabling a user to select picture signals corresponding to a particular one of said cameras for display on said monitor by inputting the identification information corresponding to said particular one of said cameras; a controller (42 of fig. 1) for storing said picture signals and said identification information in said picture signal storage medium, said controller being responsive to a selection signal generated by said selection unit for selecting the picture signals corresponding

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to said particular one of said cameras and stored in said picture signal storage medium and outputting the selected picture signals for display on said monitor (50 of fig. 1).

Conclusion

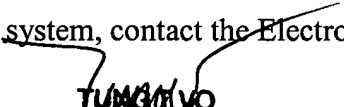
2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See the previous Office Action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung T. Vo whose telephone number is (703) 308-5874. The examiner can normally be reached on 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris. Kelley can be reached on (703) 305-4856. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


TUNG T. VO
PATENT EXAMINER

Tung T. Vo
Primary Examiner
Art Unit 2613

T.Vo.